

ABSTRACT

The present invention 10 discloses a tag axle commonly used in light, medium and heavy duty trailers 14 and is comprised of an axle beam 16 with a removable and replaceable spindle 24. The detachable spindle 24 has an extended back end 26 which is inserted in the axle beam 16 ends. The axle beam 16 ends are reinforced with a collar 18. The detachable spindle 24 and the axle beam 16 are locked together with a sleeved cross connector assembly 30, 32, 34, 36. The deformable sleeve 32 is fitted over the shaft of the cross connector 30 and the sleeved cross connector assembly is pressed into the cross-hole 20,28 which is drilled through the collar 18 and the back end 26 of the detachable spindle 24. The deformable sleeve 32 material is compressed into the cross-hole 20,28 to assure a tight fit and minimize any axial and radial movement between the spindle 24 and the axle beam 16. A wheel assembly 52 can then be attached to the spindles 24.